

Ms. Julie Fahy P.E.,
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Subject:
Airway/Highway Clearance Analysis
LUC-23-11.75
PID:

Date:
November 18, 2020

Dear Ms. Fahy:

We have reviewed the above-mentioned project and have determined that the project will encroach into the 100:1 (1407.1.2) notification surface. This determination is based on an airport elevation of 671 feet, and heliport elevation of 661 feet, a project elevation of 652 feet, with a distance of 11,611 feet between the airport and the project locations. The attached diagram and spreadsheet will provide a detailed analysis of the study. The study has also determined that a height of 85.11' exists between 100:1 notification surface and the project. Therefore, based on this height and the heights from Figure 1407-3, plan note G118A will not be required.

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Respectfully,

ARCADIS U.S., Inc.



Kevin D. Kehres, PE
Project Manager



Airway/Highway Clearance Analysis
LUC-23-11.75

| LOCATION NAME | LATITUDE | LONGITUDE | FROM FIG. 1404-7 | | | | | | | | | | |
|---|-------------|-------------|------------------|------------|---|--------|--------------------------------|---------|---------|-----|--------|--|--|
| | | | ELEV. A | NEAR ELEV. | LOCATION OF NEAR ELEV. | OBJECT | OBJECT HEIGHT FROM FIG. 1404-3 | ELEV. B | DIST. C | X:1 | Z * | | |
| TOLEDO SUBURBAN AIRPORT | N 41°44'09" | W 83°39'21" | 671.00 | | TOLEDO SUBURBAN AIRPORT | | | | | | | | |
| FLOWER HOSPITAL HELIPORT | N 41°42'50" | W 83°41'54" | 661.00 | | FLOWER HOSPITAL HELIPORT | | | | | | | | |
| END OF WORK (TO TOLEDO SUBURBAN AIRPORT) | N 41°42'56" | W 83°41'02" | | 646 | BEGINNING OF PROJECT (NEAREST POINT TO TOLEDO SUBURBAN AIRPORT) | CRANE | 50 | 696 | 10642 | 100 | 81.42 | | |
| HIGHEST POINT OVER US-23 (HIGHEST POINT OF PROJECT) | N 41°42'55" | W 83°41'18" | | 652 | HIGHEST POINT OVER US-23 (TO TOLEDO SUBURBAN AIRPORT) | CRANE | 50 | 702 | 11611 | 100 | 85.11 | | |
| NEAREST POINT TO FLOWER HOSPITAL HELIPORT | N 41°42'30" | W 83°41'19" | | 641 | NEAREST POINT TO FLOWER HOSPITAL HELIPORT | CRANE | 50 | 691 | 3338 | 25 | 103.52 | | |

* Z IS THE AMOUNT OF CLEARANCE, -Z WILL REQUIRE NOTIFICATION

